

ABSTRACT OF THE DISCLOSURE

A method is provided for analyzing data transmission throughput in a wireless LAN of a multi sector environment. The method may include determining a sum of symbols of all sector switch guard times and propagation delay guard times of a MAC frame. The method may also include subtracting the number of determined symbols, the number of symbols of a signaling PDU and the number of symbols of a data PDU except a LCH from the number of symbols set in the MAC frame. Still further, the method may include displaying data transmission throughput by using a subtraction result value. Accordingly, by calculating the number of symbols occupied only by a LCH except sector switch guard times and propagation delay guard times, data transmission throughput can be accurately analyzed.